AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1.   (previously presented): Method for scaling peak power amplitudes in a signal at a transmitter before submitting said signal to a power amplifier, said method comprising:

calculating scaling factors for a pulse train comprising a group of at least two peaks whose power exceeds a predefined threshold, said scaling factor for one peak taking into account an influence on said peak which occurs if at least one other peak of said group is applied a scaling factor; and

applying said calculated scaling factors to said respective peaks of said group.

2.   (original): Method according to claim 1, wherein said influence depends on the distance between said peak and said at least one other peak.

3.   (previously presented): Method according to claim 1, wherein said calculation of said scaling factors comprises:

calculating corrected signals for each peak taking into account said influence of other peaks of said group;

Calculating for each peak a scaling factor corresponding to said corrected signal.

4.   (original): Method according to claim 1, wherein said scaling factors for said train of pulses guaranty that the power of the scaled peaks belonging to said group reaches said predefined threshold.

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5.   (previously presented): Method according to claim 1, wherein said scaling factors

for said train of pulses guaranty that an average power of the clipped signal is higher than said

predefined threshold value.

6.   (original): Method according to claim 1, wherein at least two iterations of said

method are successively applied to said signal followed by a step of hard clipping.

7.   (original): Method according to claim 1, wherein said signal is a signal

comprising a plurality of single carrier signals constituted by a superposition of several CDMA

signals.

8. [9]   (previously presented): Transmitter comprising:

means for scaling peak power of a signal, and

a power amplifier for amplifying said signal,

wherein said means for scaling peak power comprises:

means for calculating scaling factors for a pulse train comprising a group of at least two

adjacent peaks whose power exceeds a predefined threshold, said scaling factor for one peak

including an influence on said pulse train which occurs if at least one other peak of the group is

applied a scaling factor; and

means for applying said calculated scaling factors to said respective peaks of said group.

9. [10]   (original): Transmitter according to claim 8, [9] wherein said means for scaling peak

power is implemented on a DSP or a FPGA.

10. [11]   (previously presented): Transmitter according to claim 8, [9] wherein said

transmitter is used in a base station of a CDMA radio communication network.

11.   (previously presented): Transmitter according to claim 9, wherein said scaling

factors for said train of pulses guaranty that an average power of the clipped signal is higher than

said predefined threshold value.

12.   (new): The method according to claim 1, wherein said influence includes results

of calculated Dirac functions.